

CORRELATION RECEIVER FOR DEMODULATING SERVO TRACK INFORMATION

ABSTRACT OF THE DISCLOSURE

A correlation receiver, among other functions, detects peaks of a correlation signal. The correlation receiver includes a master peak detector for determining whether an amplitude of a pulse of the correlation signal exceeds by at least a first delta an amplitude of a prior peak. If so, the master peak detector designates the pulse as a peak and sets an amplitude of the peak as the amplitude of the prior peak increased by a second delta. The master peak detector may also determine whether the amplitude of the correlation signal pulse falls below an amplitude of the prior peak less a droop value; and, if so, the master peak detector does not designate the pulse as a peak.